

Atit Gaonkar

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EDUCATION

Master of Science, Computer Science - Arizona State University, Tempe	Aug 2019 – May 2021
Blockchain Researcher - Assess levels of cybersecurity risks of blockchain-based systems.	GPA 3.89 / 4.00
Teaching Assistant/Grader - Problem Solving and Actionable Analytics	
Bachelor of Technology, Computer Science and Engineering - Vellore Institute of Technology, Chennai	Jun 2014 – May 2018
Best Project Based Learning Award (2017, 2018)	GPA 8.98 / 10.0

TECHNICAL SKILLS

Language:	Python, Scala, JavaScript, HTML, CSS, PHP, SQL, Bash, R, MATLAB
Software:	GDB, Ghidra, Wireshark, SIEM, nmap, Burp Suite, Metasploit, Power BI, TIBCO Spotfire, Tableau
Skillset:	Software Development, Web and Application security, Data Visualization, Computer Forensics
Service:	AWS Cloudformation, Docker, Kubernetes, GIT
Database:	MySQL, NoSQL, MongoDB, Blockchain, Postgres
Frameworks:	Django, Flask, NodeJS, D3 JS, OWASP

PROFESSIONAL EXPERIENCE

Software Engineer – Bloomreach	Jul 2021 – Present
<ul style="list-style-type: none">Responsible for building and automating backend systems and tools to support company-wide infrastructure to deliver high-level optimization solutions. Used Prometheus, Docker, and Kubernetes to build a robust monitoring system.Improved end-to-end replication speed by 90% (600 seconds to 60 seconds), built features to scale backend infrastructure, and orchestration APIs to support development and operations.	
IoT - Blockchain Researcher (GSA) – Blockchain Research Lab, Arizona State University	Nov 2020 - May 2021
<ul style="list-style-type: none">Worked on developing a light-weight Monitoring Client Application to assess levels of cybersecurity risks of blockchain based systems by capturing key parameters of select IoT device capable of detecting and predicting security attacks.Created a digital twin of an IoT device to record static and dynamic information. Utilized Smart Contracts to interface REST API with Hyperledger Fabric server to maintain the integrity of security events of IoT device through Chainrider.	
Grader/Teaching Assistant – Arizona State University	Aug 2020 – Nov 2020
<ul style="list-style-type: none">Supported and boosted student engagement in class activities, providing clear and responsive answers to individual queries pertaining to WPC300 - Problem Solving and Actionable Analytics Course.Reinforced lessons by tutoring individual students or small groups. Managed WPC300 course with 60 students.	
Software Engineer Intern - Tulip Diagnostics, Goa, India	Jan 2019 - Apr 2019
<ul style="list-style-type: none">Automated the process of interpreting dashboards and forecasting projected revenue using VBA and SQL. Redesigned reporting system to gain 81.25% increase in efficiency, hence reducing the time spent on month-end analysis.Analyzed internal processes, business operation and sales structure to create dynamic info-graphic dashboards using various Microsoft's business intelligence tools, SSAS, SSIS, SSRS, TIBCO Spotfire and Power BI.	

ACADEMIC PROJECTS

The Food Explorer – Recommendation System {Python, NLP, JS, Fuzzy-Logic, D3, HTML, CSS, Bootstrap, jQuery}	Spring 2020
<ul style="list-style-type: none">Designed a restaurant recommendation system for foodies using techniques like Named Entity Recognition, Fuzzy Logic and Sentiment Analysis. Used heuristic measures (Hungry Score) to discover, recommend state-wise trending food.Recommended restaurants based on the quality of food served by understanding sentiments of user reviews in context of mentioned food. Popularity of various restaurants can be compared using the Hungry Score of a restaurant.	
Blockchain of Custody {Block-Chain, Cryptography, Python}	Spring 2020
<ul style="list-style-type: none">Developed a digital equivalence of Chain-of-Custody using blockchain so that examiners can show that the integrity of the evidence has been preserved and not open to compromise right from the discovery of the evidence.Maintains logs for actions performed on every evidence in custody so that these evidence are admissible in court.	
Road-to-Glory – Tennis Data Visualization {Python, JS, D3, HTML, CSS, Bootstrap, jQuery}	Fall 2019
<ul style="list-style-type: none">Analyzed 10 years data of AUS Open matches to understand the playing style (aggressive vs defensive) of tennis players based on KPI (Key Performance Index), such as Error, Break Points, Serve Speed, Faults, Return etc.Used dynamic interaction to visually portray why Roger Federer is the most aggressive tennis players.	

CERTIFICATION

Certified Ethical Hacker - EC Council (CEHv9): Number: ECC67924018402 Name: Atit Shivram Gaonkar	Oct 2017
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